



# **Quick Reaction Special Projects**

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**Tim Harp**  
**ADUSD (Innovation & Technology Integration)**



# ***Technology Transition Trilogy***

- **Technology Transition program element established in FY03**
- **Congressional language directed 3 efforts to accelerate technology transition**
  - **Defense Acquisition Challenge Program \***
  - **Quick Reaction Special Projects**
  - **Technology Transition Initiative**

\* This is the Cong. Duncan Hunter sponsored Challenge Program; not the pre-existing SADBUs Challenge Program



# ***Defense Acquisition Challenge***

**Defense Acquisition Challenge Program (DACP) provides commercial companies an opportunity to introduce their innovative technologies into the defense acquisition program**

- Focuses on small business
- Provides opportunities for inserting innovative and cost-saving technology from domestic sources into DoD Acquisition Programs
- Funds test & evaluation of technologies/products that can improve current acquisition programs at component, subsystem, or system level
- Uses Foreign Comparative Test Processes and network
- POC Col Rocky Reiners, 602-3740



# ***Quick Reaction Fund Program***

- The Quick Reaction Fund initiates high priority or high leverage technology efforts during the execution year
- Provides opportunity to execute within technology cycle in rapidly maturing technology
- Provides flexibility to respond to emergent DoD issues and address surprises and needs in real time
  - Technology matures in less than a year in some areas
  - Responds to technology opportunities in major acquisition programs
  - Completion of projects within a 6-12 month period
- POC Mr. Al Shaffer, 695-9604



# *Technology Transition Initiative*

- TTI established to bridge the gap between technology demonstration and production – “the valley of death”
  - Accelerates the introduction of technologies from DoD S&T into operational capabilities by funding the execution year plus one.
  - Services and Agencies nominate projects
  - A Technology Transition Council helps prioritize.
  - Service/Agency contribution can be up to 50% of the total project cost.
  - POC Tim Harp, 697-7922

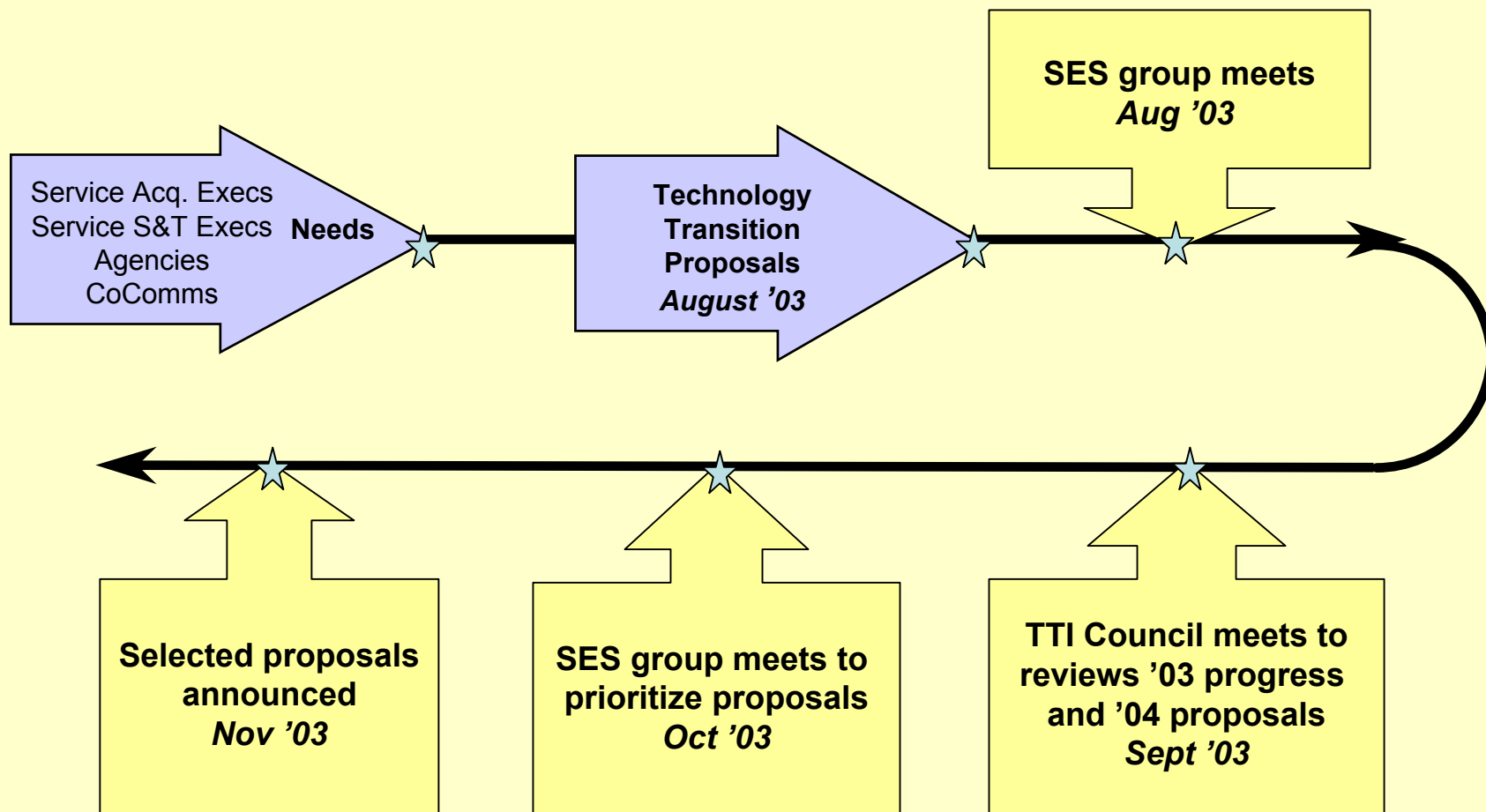


# Backup Slides

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# ***FY-04 TTI Candidate Selection Process***





# Examples of Quick Reaction Efforts

## Thermobaric Hellfire Enhanced Capability

Chemistry to the Field in one year— Increased Blast Lethality in Multi-Room Structures

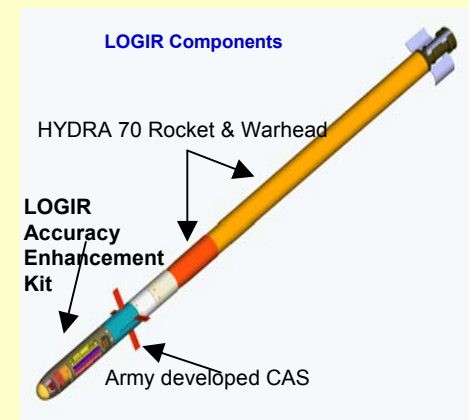
- Rapid Reaction to War Fighter Need; start Jan 02
- Form/Fit/Function Drop-In Warhead Section
- Unique Enhanced Explosive Formulation (metal augmented charge)
- Retains Effectiveness in Remaining Hellfire Blast-Frag Target Set
- Available for possible global war on terrorism



## Low-Cost Imaging Rocket (LOGIR)

Making 2.75" Rocket Smart— Fire and Forget

- Rapid reaction to integrate precision guidance with developing weapon; start May 02
- Improve ability to kill moving and fixed targets
- Reduce warfighter exposure while increasing success
- Increase lethality while reducing collateral damage
- First flight Jan 03; Complete System ~4QFY03





# ***Thermobaric Weapons***

## ***Thermobaric Weapons Rapid Technology Transition***

- **A “Quick Reaction” type development, enabled by base S&T program and ACTD Framework**
- **Chronology: Program Approved 21 Sept**
  - Small Quantity Lab Testing – Oct 01
  - Full Up Static Test – Nov 17
  - Flight Tested - Dec 14
- **Funding: Approximately \$6M**



***Theory***  ***Weapon***  
***3 months***